REMARKS

A reconsideration of this patent application is respectfully requested in view of the foregoing amendments and the following remarks.

The amendments to this patent application are as follows. The Specification has been amended on pages 1, 31 and 32 to include the required section headings. Pages 15, 27, 28 and 31 have been amended to correct minor typographical errors. The drawings and the Specification have been amended in order to include reference numerals and to support the language in the claims.

Pages 32a, 32b, 32c, 32d and 32e have been canceled and replaced by an appropriate amendment to the Specification.

The subject matter added to page 32 of the Specification not only includes the canceled description, but also includes the language recited by the claims.

Claims 54 to 81 have been canceled without prejudice and have been rewritten as newly added claims 82 to 109.

For all these reasons, it is firmly believed that all the claims, the drawings and the Specification are now in complete compliance with the requirements of 35 U.S.C. 112. Withdrawal of

this ground of rejection is respectfully requested.

A prompt notification of allowability is respectfully requested.

Respectfully submitted,
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Encl.: 1. Copy of Petition for a Three Month Extension of Time for a Small Entity

2. Seven sheets of drawings encompassing FIGS. 1a, 1b, 1c, 2, 3, 4, 5 and 6

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231, on December 21, 2000.

_____
Lisa L. Vulpis

1st perforated sheet metal plate (supporting 62
2nd perforated sheet metal plate (with thermal insulation) 64 20

Heat exchanger + air filter + gap seal + drum 12

1st anti-twist (anti-turbulence) honeycomb 10

2nd anti-twist (anti-turbulence) basket

Magnetic fixation 56

Safety glass 66

48
Longitudinal bar / sealing element + control element for controlling the admission of air

Axial sealing gap 60

Adjusting screw 50

Effective axial sealing point

26

Thermal compensation, axial

Separating bottom, sound absorber, removable and magnetically fixed 80

46
Cross bar / sealing element

Central bearing 28 / mounting (fastening) screw (when drum is removed, bearing remains on cross bar)

Pressure compensation, ~~device~~ filter 84 + permanent dehumidifier, with solar regeneration

Silica gel

Expansion compensation + insulator

Blowout flow turbulence eliminator

FIG. 1a

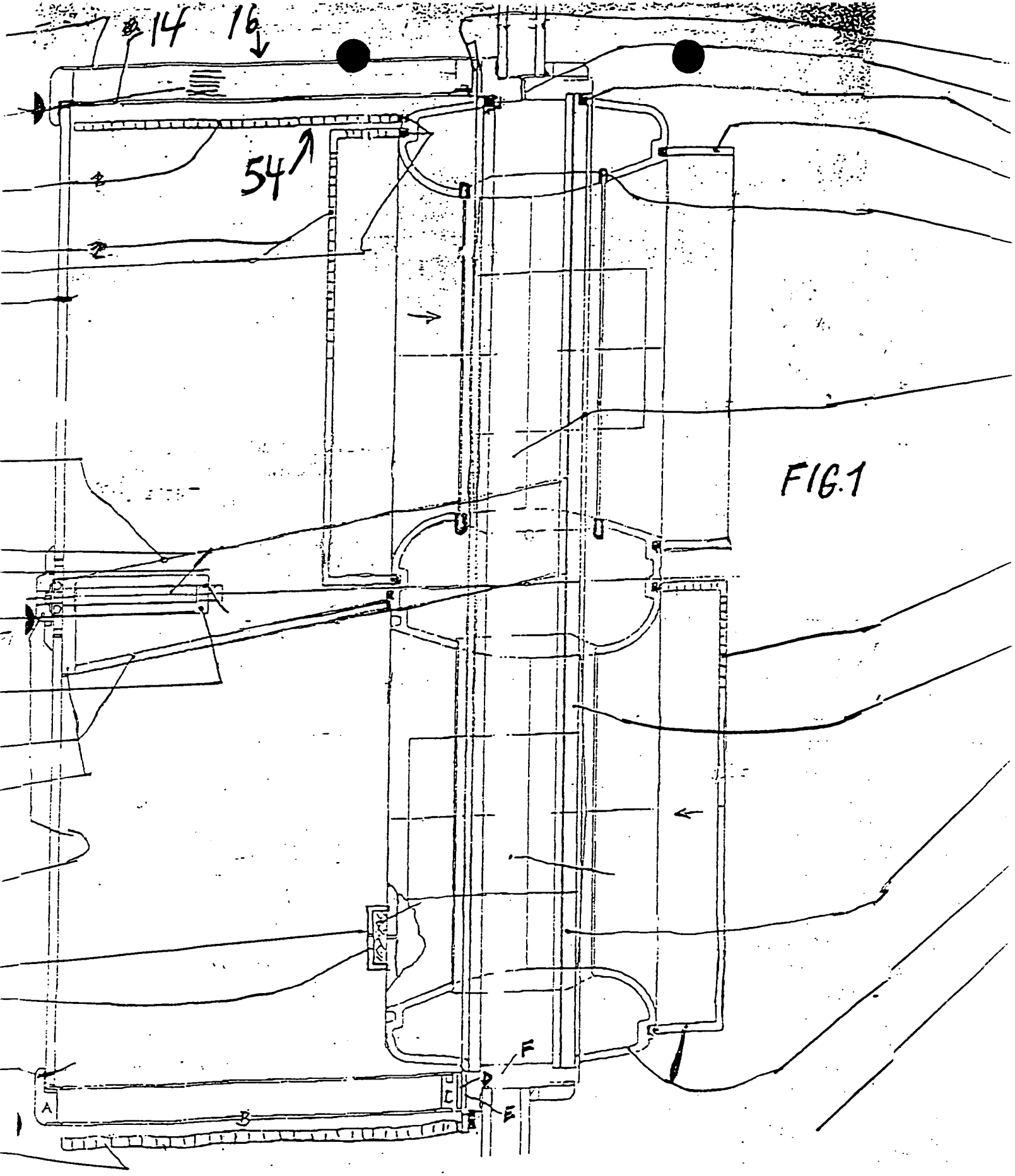

FIG.1

FIG. 1b

18

Magnetic bearing / sealing element

Pressure compensation bore

10

Compensation of expansion

Jet tube, transparent

Physical sound insulator 76

Exhaust air ventilator 24

FIG. 1

18

Flow rectifier / and heat exchanger drive (twist or turbulence generator)

22

Feed air ventilator / and heat exchanger drive (twist or turbulance generator)

58

Axial rotor / magnetically fixed; rotor including journal bearing replaceable

Transparent

A, C, D, E and F maintained at room temperature by B

FIG. 1C

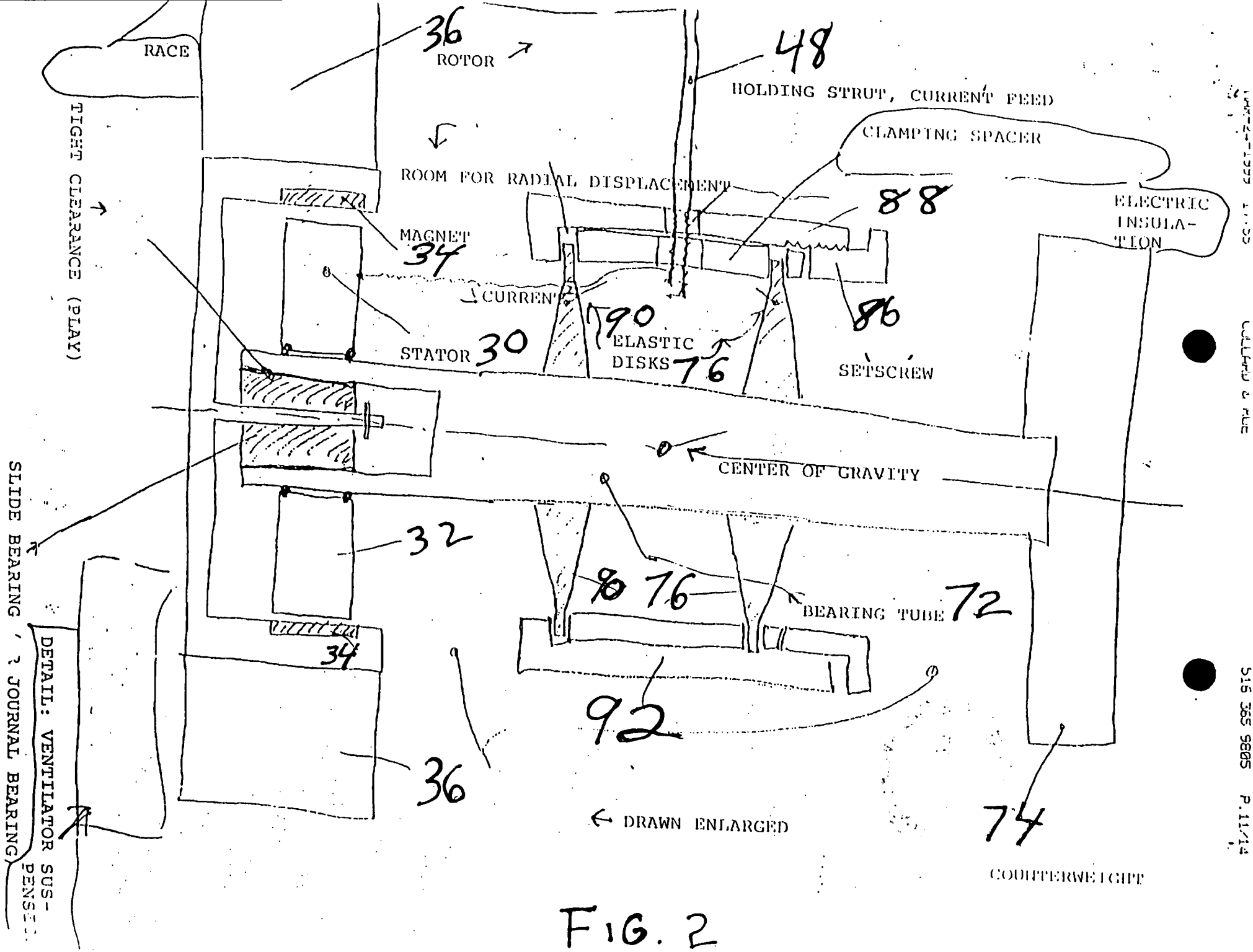
RACE
36
ROTOR
48
HOLDING STRUT, CURRENT FEED
CLAMPING SPACER
ROOM FOR RADIAL DISPLACEMENT
88
ELECTRIC INSULATION
TIGHT CLEARANCE (PLAY)
MAGNET
34
CURRENT
90
STATOR 30
ELASTIC DISKS 76
86
SETSCREW
CENTER OF GRAVITY
32
90 76
BEARING TUBE 72
34
92
36
DRAWN ENLARGED
74
COUNTERWEIGHT
SLIDE BEARING
DETAIL: VENTILATOR SUSPENSION JOURNAL BEARING

FIG. 2

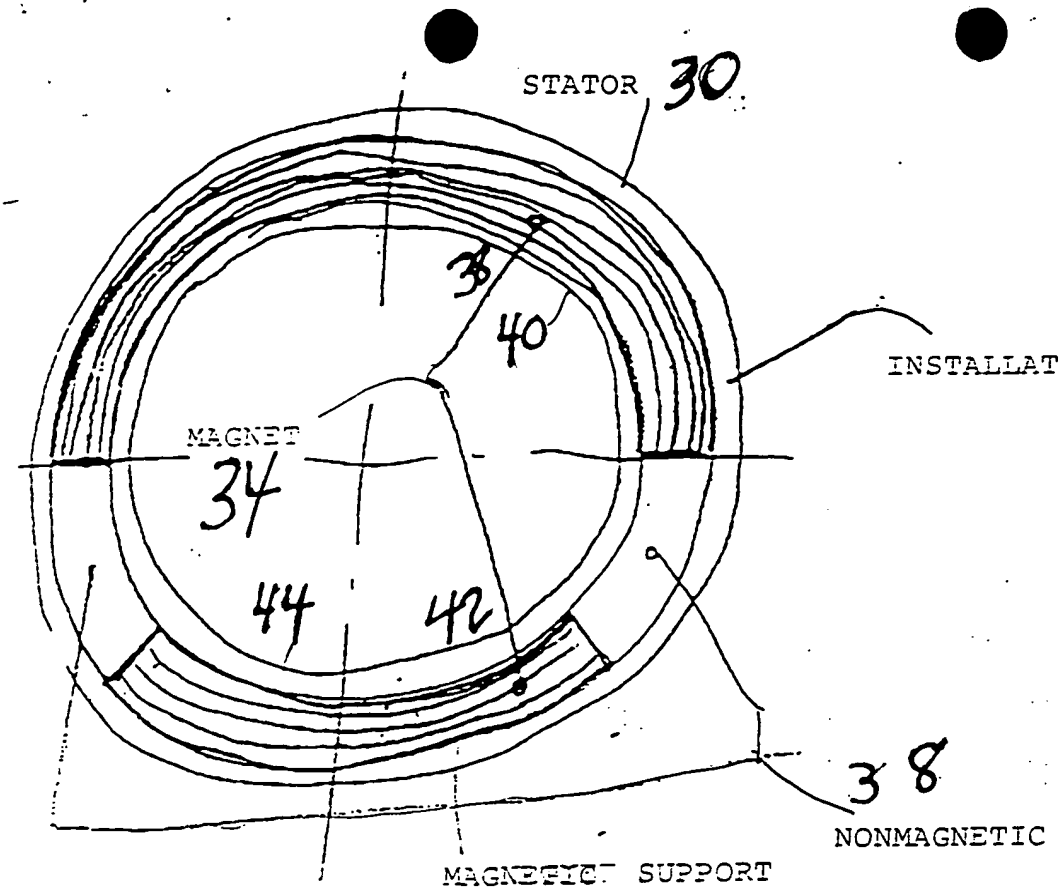
STATOR 30
ROTOR:
MAGNETIC
THROUGHOUT
36
40
INSTALLATION RING
MAGNET
34
44
42
38
NONMAGNETIC
MAGNETIC SUPPORT

FIG. 3

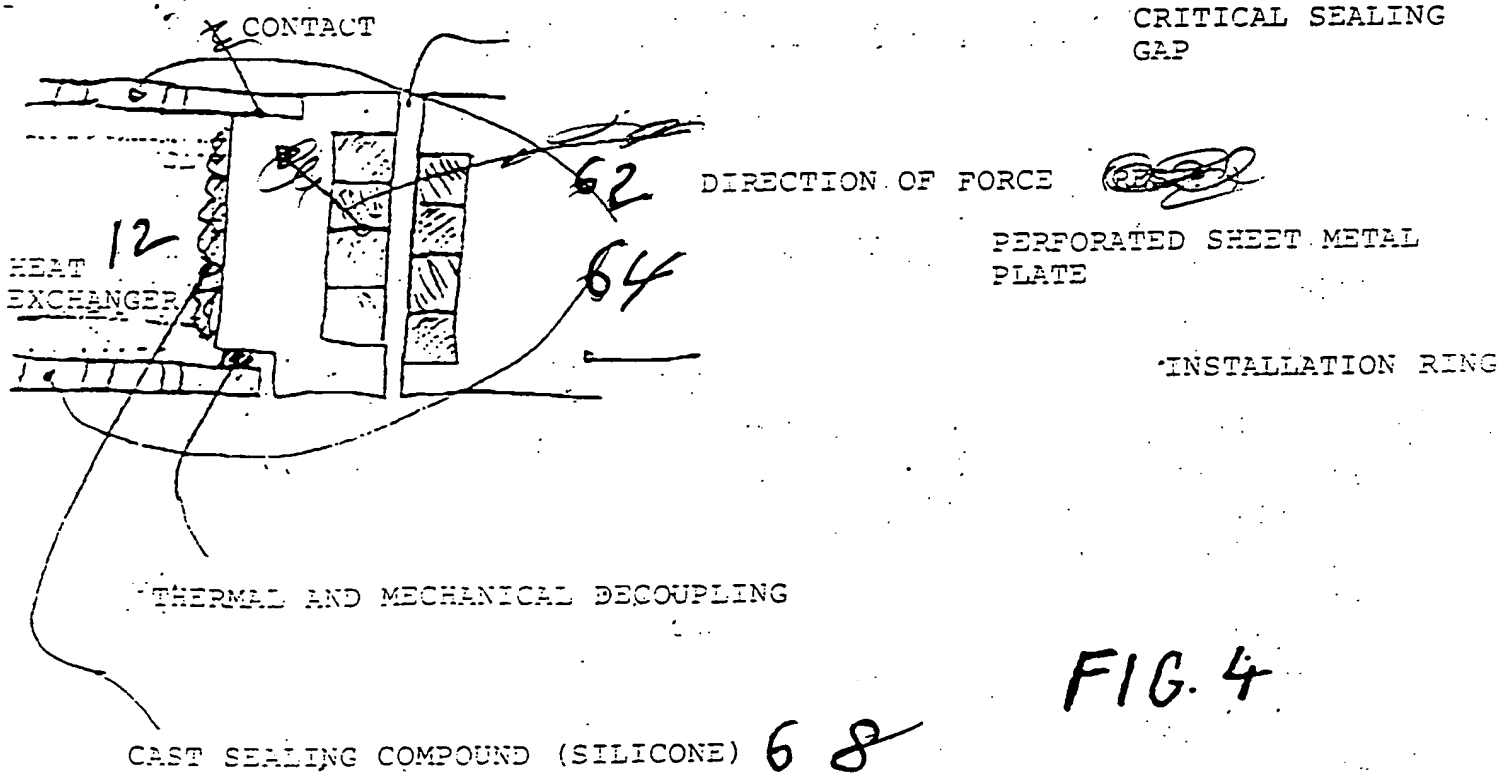
CONTACT
CRITICAL SEALING
GAP
62
DIRECTION OF FORCE
PERFORATED SHEET METAL
PLATE
12
HEAT
EXCHANGER
64
INSTALLATION RING
THERMAL AND MECHANICAL DECOUPLING
CAST SEALING COMPOUND (SILICONE) 68

FIG. 4

DETAIL DRAWING: CENTRAL BEARING + TEMPERATURE COMPENSATION

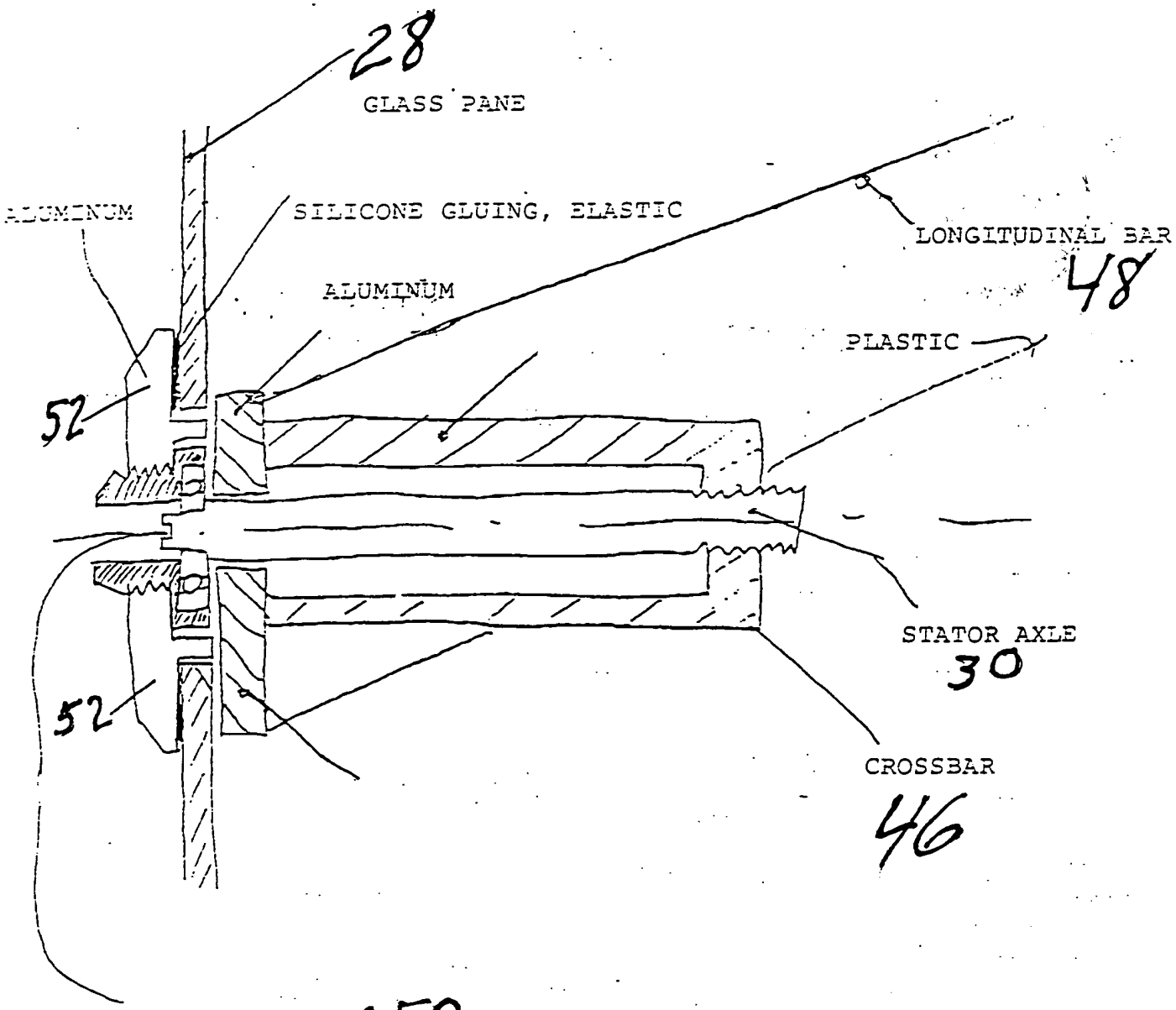

FIG. 5

DETAIL DRAWING: GLASS PANE, FRONT RING

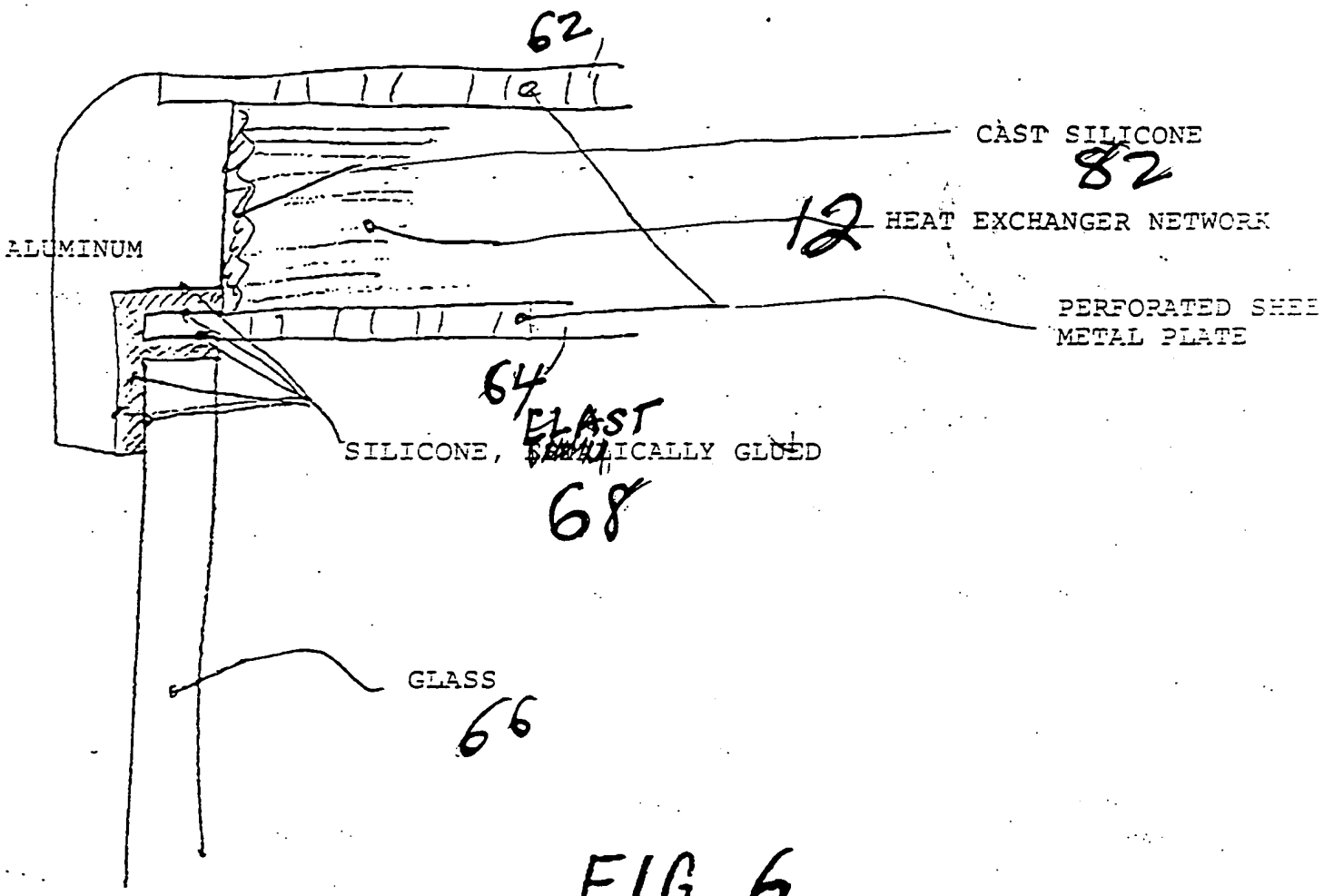

FIG. 6